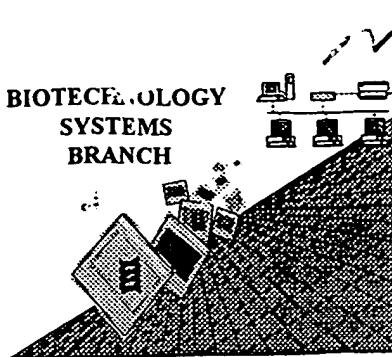


## **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/835,992  
Source: O/PE  
Date Processed by STIC: 5/2/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**  
**<http://www.uspto.gov/web/offices/pac/checker>**

OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/835,992

DATE: 05/02/2001  
 TIME: 12:34:48

*pp 1-3*

Input Set : A:\es.txt  
 Output Set: N:\CRF3\05022001\I835992.raw

**Does Not Comply  
 Corrected Diskette Needed**

2 <110> APPLICANT: Obata, Yuichi  
 4 <120> TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULES ASSOCIATED WITH GASTRIC  
 CANCER AND  
 5 METHODS FOR DIAGNOSING AND TREATING GASTRIC CANCER  
 7 <130> FILE REFERENCE: L0461/7112  
 8 <140> CURRENT APPLICATION NUMBER: US/09/835,992  
 8 <141> CURRENT FILING DATE: 2001-04-17  
 8 <150> PRIOR APPLICATION NUMBER: US 08/896,164  
 9 <151> PRIOR FILING DATE: 1997-07-17  
 11 <160> NUMBER OF SEQ ID NOS: 87  
 12 <170> SOFTWARE: PatentIn version 3.0

# ERRORED SEQUENCES

5583 <210> SEQ ID NO: 42  
 5584 <211> LENGTH: 667 (677(p.2))  
 5585 <212> TYPE: DNA  
 5586 <213> ORGANISM: Homo sapiens <220>  
 5587 <221> NAME/KEY: Unsure  
 5588 <222> LOCATION: (460)..(460)  
 5589 <223> OTHER INFORMATION: n = a, c, g or t  
 5591 <220> FEATURE:  
 5592 <221> NAME/KEY: Unsure  
 5593 <222> LOCATION: (484)..(484)  
 5594 <223> OTHER INFORMATION: n = a, c, g or t  
 5596 <220> FEATURE:  
 5597 <221> NAME/KEY: Unsure  
 5598 <222> LOCATION: (574)..(574)  
 5599 <223> OTHER INFORMATION: n = a, c, g or t  
 5601 <220> FEATURE:  
 5602 <221> NAME/KEY: Unsure  
 5603 <222> LOCATION: (590)..(590)  
 5604 <223> OTHER INFORMATION: n = a, c, g or t  
 5606 <220> FEATURE:  
 5607 <221> NAME/KEY: Unsure  
 5608 <222> LOCATION: (623)..(623)  
 5609 <223> OTHER INFORMATION: n = a, c, g or t  
 5611 <220> FEATURE:  
 5612 <221> NAME/KEY: Unsure  
 5613 <222> LOCATION: (627)..(627)  
 5614 <223> OTHER INFORMATION: n = a, c, g or t  
 5616 <220> FEATURE:  
 5617 <221> NAME/KEY: Unsure  
 5618 <222> LOCATION: (643)..(643)  
 5619 <223> OTHER INFORMATION: n = a, c, g or t  
 5621 <400> SEQUENCE: 42  
 5622 aagatcagcg atatcacgcg tccccggag catcgctgc aggagccatg gcgcgggagc 60

*insert a hard return after each response -*

*This is  
 a global error;  
 please correct  
 all sequences  
 showing this  
 error*

## RAW SEQUENCE LISTING

DATE: 05/02/2001

PATENT APPLICATION: US/09/835,992

TIME: 12:34:49

Input Set : A:\es.txt

Output Set: N:\CRF3\05022001\I835992.raw

```

5623 tataaccacga agagttcgcc cgggcgggca agcaggcggg gctgcaggtc tggaggattg 120
5624 agaagctgga gctggtgccc gtgcccaga gcgctcacgg cgacttctac gtcggggatg 180
5625 cctacctggt gctgcacacg gccaaagcga gccgaggctt cacctaccac ctgcacttct 240
5626 ggctcggaaa ggagtgttcc caggatgaaa gcacagctgc tgccatcttc actgttcaga 300
5627 tggatgacta tttgggtggc aagccagtgc agaatagaga acttcaagga tatgagtcta 360
5628 atgactttgt tagctatttc aaaggcggtc tgaaatacaa, ggctggaggc gtggcatctg 420
W-> 5629 gattaaatca tgttcttacg aacgacctga cagccaagan gctcctacat gtgaagggtc 480
W-> 5630 gtanagtggg gagagccaca gaattccct tagctgggac agtttcaaca, agggtgactg 540
W-> 5631 cttcattcatt gaccttgga cggaaattta tcanttggtg tggttcctcn tgcaacaaat 600
W-> 5632 atgaacgtct gaaggcaaac cangtancta ctggcattcg gtncaatgaa aggaaggaa 660
E--> 5633 ggtctgaact aattgtc 677<-
6689 <210> SEQ ID NO: 58
6690 <211> LENGTH: (571) 751 shown (p.3)
6691 <212> TYPE: DNA
6692 <213> ORGANISM: Homo sapiens<220>
6693 <221> NAME/KEY: Unsure
6694 <222> LOCATION: (364)..(364) /
6695 <223> OTHER INFORMATION: n = a, c, g or t
6697 <220> FEATURE:
6698 <221> NAME/KEY: Unsure /
6699 <222> LOCATION: (468)..(468) /
6700 <223> OTHER INFORMATION: n = a, c, g or t
6702 <220> FEATURE:
6703 <221> NAME/KEY: Unsure /
6704 <222> LOCATION: (516)..(516) /
6705 <223> OTHER INFORMATION: n = a, c, g or t
6707 <220> FEATURE:
6708 <221> NAME/KEY: Unsure /
6709 <222> LOCATION: (532)..(532) /
6710 <223> OTHER INFORMATION: n = a, c, g or t
6712 <220> FEATURE:
6713 <221> NAME/KEY: Unsure /
6714 <222> LOCATION: (574)..(574) /
6715 <223> OTHER INFORMATION: n = a, c, g or t
6717 <220> FEATURE:
6718 <221> NAME/KEY: Unsure /
6719 <222> LOCATION: (597)..(597) /
6720 <223> OTHER INFORMATION: n = a, c, g or t
6722 <220> FEATURE:
6723 <221> NAME/KEY: Unsure /
6724 <222> LOCATION: (662)..(662) /
6725 <223> OTHER INFORMATION: n = a, c, g or t
6727 <220> FEATURE:
6728 <221> NAME/KEY: Unsure /
6729 <222> LOCATION: (669)..(670) /
6730 <223> OTHER INFORMATION: n = a, c, g or t
6732 <220> FEATURE:
6733 <221> NAME/KEY: Unsure /
6734 <222> LOCATION: (707)..(707)

```

*insert a hard return*

## RAW SEQUENCE LISTING

DATE: 05/02/2001

PATENT APPLICATION: US/09/835,992

TIME: 12:34:49

Input Set : A:\es.txt

Output Set: N:\CRF3\05022001\I835992.raw

```

6735 <223> OTHER INFORMATION: n = a, c, g or t
6737 <220> FEATURE:
6738 <221> NAME/KEY: Unsure
6739 <222> LOCATION: (733)..(733)
6740 <223> OTHER INFORMATION: n = a, c, g or t
6742 <220> FEATURE:
6743 <221> NAME/KEY: Unsure
6744 <222> LOCATION: (740)..(740)
6745 <223> OTHER INFORMATION: n = a, c, g or t
6747 <400> SEQUENCE: 58
6748 agactttcct acatcagttt tattttaaacc acaaacaagt atttctcttt ctgtaagggc 60
6749 aaatggttca aataatgcgg aacacgaaac attgactaat acaagtgcct taaatatgaa 120
6750 acaaaattat tttttaaaaa agcaaaagaa taaagaatat atacaaaagg gacctggaat 180
6751 ctgtaagggtg attccaaaaa cgaaataagt agaaaatcca tggtgaaacc tgaacattct 240
6752 acctctgctt tggagaaggg ctatcataca acattcagtc agctgaagat ggattggtag 300
6753 aggtgtgtct atacataaac ttcagtcatt ttgtctgtg cagaatcatc ccaatcttcc 360
W--> 6754 caanactgaa tgggcagtc tgtggcttcc ttcttttcc atattcccaa caaggctacg 420
W--> 6755 tgaagttcaa ctcttgatga gccgcttaca acagcagttc cttaggancc caacatgaca 480
W--> 6756 ggtgggtcag atttccttat gagaaacaaa actggncacc tacagcaaaa tntcaaatg 540
W--> 6757 ggtaagtcct tcttctctct tctctctgat tatntacaac atatctcttt tcaagantat 600
6758 tatttccatg atgcttatto ctcccaaat ctaaaccctg aagggtgattt gaagggaaac 660
W--> 6759 cncatccnn aaaaagaaaa acccattccc aaattgaaaa aaaactnggc agggatatac 720
E--> 6760 atacaccccc canaaactcn ccaattttcc c 751 ←

```

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/835,992

DATE: 05/02/2001

TIME: 12:34:51

Input Set : A:\es.txt

Output Set: N:\CRF3\05022001\I835992.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application No

L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/835,992

DATE: 05/02/2001

TIME: 12:34:51

Input Set : A:\es.txt

Output Set: N:\CRF3\05022001\I835992.raw

L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:3489 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:27  
L:5633 M:252 E: No. of Seq. differs, <211>LENGTH:Input:667 Found:677 SEQ:42  
L:5653 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:43  
L:6760 M:252 E: No. of Seq. differs, <211>LENGTH:Input:571 Found:751 SEQ:58  
L:10158 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:86